

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	1230718
<b>Application Number:</b>	10801208
<b>Confirmation Number:</b>	2034
<b>Title of Invention:</b>	Methods of manufacturing semiconductor devices having a ruthenium layer via automatic layer deposition
<b>First Named Inventor:</b>	Kwang-hee Lee
<b>Customer Number:</b>	20792
<b>Filer:</b>	D. Randal Ayers/Michele McMahan
<b>Filer Authorized By:</b>	D. Randal Ayers
<b>Attorney Docket Number:</b>	5649-1277
<b>Receipt Date:</b>	02-OCT-2006
<b>Filing Date:</b>	16-MAR-2004
<b>Time Stamp:</b>	15:38:03
<b>Application Type:</b>	Utility
<b>International Application Number:</b>	

### Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 500
RAM confirmation Number	155
Deposit Account	500220

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part	Pages
-----------------	----------------------	-----------	------------------	------------	-------

1		5649_1277_NoticeAppeal.pdf	288856	yes	7
	<b>Multipart Description</b>				
	<b>Doc Desc</b>		<b>Start</b>	<b>End</b>	
	Notice of Appeal Filed		1	1	
	Pre-Brief Conference request		2	2	
	Miscellaneous Incoming Letter		3	7	
<b>Warnings:</b>					
<b>Information:</b>					
2	Fee Worksheet (PTO-875)	fee-info.pdf	8176	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			297032		
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p>					